PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 030877PC	FOR FURTHER ACTION		ransmittal of International Search Report) as well as, where applicable, item 5 below.
International application No. PCT/AU2004/001463	International filing date	(day/month/year)	(Earliest) Priority Date (day/month/year)
Applicant Applicant	22 October 2004		22 October 2003
DIGGA AUSTRALIA PTY	LTD et al		
This international search report has been particle 18. A copy is being transmitted to		Searching Authority and	d is transmitted to the applicant according to
This international search report consists o	fa total of 6 sheets.		
It is also accompanied by a	opy of each prior art docume	ent cited in this report.	
Basis of the report			
which it was filed, unless of	nerwise indicated under this i	tem.	of the international application in the language in
(Rule 23.1(b)).			nternational application furnished to this Authority
carried out on the basis of the	e sequence listing:		national application, the international search was
contained in the intern	ational application in written	form.	·
filed together with the	international application in c	omputer readable form.	
furnished subsequently	to this Authority in written	form.	
furnished subsequently	to this Authority in compute	er readable form.	•
the statement that the application as filed ha	subsequently furnished writte s been furnished.	n sequence listing does	not go beyond the disclosure in the international
the statement that the furnished	nformation recorded in comp	outer readable form is ide	entical to the written sequence listing has been
2. Certain claims were found	unsearchable (See Box I).		
3. X Unity of invention is lacking	g (See Box Π).		
4. With regard to the title,	the text is approved as s	ubmitted by the applican	nt.
į į	the text has been establi	shed by this Authority to	o read as follows:
5. With regard to the abstract,	the text is approved as s	ubmitted by the applica	nt
	the text has been establi The applicant may, with submit comments to this	in one month from the o	38.2(b), by this Authority as it appears in Box III. date of mailing of this international search report,
6. The figure of the drawings to be	published with the abstract is	Figure No. 1	
	as suggested by the app	licant.	None of the figures
	because the applicant fa	iled to suggest a figure	
Ī	because this figure bette	er characterizes the inver	ntion

:

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Box I	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)	
This intereasons:	rnational search report has not been established in respect of certain claims under Article 17(2)(a) for the following	
1.	Claims Nos:	
	because they relate to subject matter not required to be searched by this Authority, namely:	
		1
	<i>←</i>	
2.	Claims Nos:	
	because they relate to parts of the international application that do not comply with the prescribed requirements to	
	such an extent that no meaningful international search can be carried out, specifically:	
)		
3.	Claims Nos:	
	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule	
	6.4(a)	
Box II	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)	
	rnational Searching Authority found multiple inventions in this international application, as follows: Claims 1-7 are directed to a support structure for a tool. It is considered that "the self monitoring and operating dampening means for controlling the pendulation of the tool on the pendulm pivot with respect to the boom or arm" comprises a first "special technical feature".	
2.	Claim 8 is directed to a method of dampening. It is considered that the step of adapting the rotary hydraulic actuator to provide varying rotary resistance comprises a second special technical feature.	
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims	
? .	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.	
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:	
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search repo is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-7	rt
Remarl	on Protest The additional search fees were accompanied by the applicant's protest.	
	No protest accompanied the payment of additional search fees.	

TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

Box III

International application No.

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Α	support	structi	ire fo	or a too	l comprisin	g a boo	m or arm	for	supporting	g the to	ool, a	a pend	lulur	n piv	ot (1.2)	suppor	ting the
																-,-,	FF	

tool with respect to the boom or arm in a manner which allows the tool to pendulate and self monitoring and operating dampening means (3) for controlling the pendulation of the tool on the pendulum pivot with respect to the boom or arm.

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International application No.

			PCT/AU2004/	001463						
Α.	CLASSIFICATION OF SUBJECT MATTE	CR CR	•							
Int. Cl. 7:	E02F 5/16, 5/20, 9/24, F16F 11/00, 15/00,	15/023, 15/027, A01B 61/04								
According to	According to International Patent Classification (IPC) or to both national classification and IPC									
В.	FIELDS SEARCHED									
Minimum doc	umentation searched (classification system followed	oy classification symbols)		-						
Documentation	n searched other than minimum documentation to the	extent that such documents are include	d in the fields search	ned						
	a base consulted during the international search (name, F16F, E21B, E21C, A01B, A01C with keder+)			imped+,						
C.	DOCUMENTS CONSIDERED TO BE RELEVA	ANT								
Category*	Citation of document, with indication, where	appropriate, of the relevant passage	s	Relevant to claim No.						
X,P	WO 2003/095750 A1 (WRIGHT) 20 No The whole document	ovember 2003		1-7						
x		1-7								
х	US 5507354 A (HARLEMAN) 16 Augu The whole document	st 1996		1-7						
X 1	Further documents are listed in the continua	ation of Box C X See pa	atent family anno	ex						
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance or theory underlying the invention document of particular relevance; the claimed inventior considered novel or cannot be considered to involve are when the document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special "T" later document published after the international filing date and not in conflict with the application but cited to under or theory underlying the invention document of particular relevance; the claimed inventior considered novel or cannot be considered to involve are when the document of particular relevance; the claimed inventior considered to involve an inventive step when the document of particular relevance; the claimed inventior considered to involve an inventive step when the document of particular relevance; the claimed inventior considered to involve an inventive step when the document of particular relevance; the claimed inventior considered to involve an inventive step when the document of particular relevance; the claimed inventior considered to involve an inventive step when the document of particular relevance; the claimed inventior considered to involve an inventive step when the document of particular relevance; the claimed inventior considered to involve an inventive step when the document of particular relevance; the claimed inventior considered to involve an inventive step when the document of particular relevance; the claimed inventior considered to involve an inventive step when the document of particular relevance; the claimed inventior considered to involve an inventive step when the document of particular relevance; the claimed inventior considered novel or cannot be considered to involve an inventior considered to involve an inventior considered novel or cannot be considered to involve an inventior considered novel or cannot be considered novel or										
reason (as specified) "O" document referring to an oral disclosure, use, "&" document member of the same patent family exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed										
Date of the ac	tual completion of the international search	Date of mailing of the internation	ng of the international search report 2 8 JAN 2005							
	iling address of the ISA/AU	Authorized officer	Authorized officer							
	N PATENT OFFICE WODEN ACT 2606, AUSTRALIA	I BOROL D DIV IDOL YO								
	s: pct@ipaustralia.gov.au (02) 6285 3929	LEOPOLD FILIPOVIC Telephone No: (02) 6283 21	·							

Telephone No: (02) 6283 2105

International application No. PCT/AU2004/001463

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
х	WO 2000/053522 A1 (INDEXATOR AB) 14 September 2000 The whole document	1-7
x	US 4273056 A (LOFGREN et al) 16 June 1981 The whole document	1-7
x	US 4735158 A (PAUL et al) 5 April 1988 The whole document	1-7
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		·

Information on patent family members

International application No.

PCT/AU2004/001463

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

	t Document Cited in Search Report			Pate	nt Family Member		
wo	03095750						
wo	02072964	BR	0208483	EP	1387908	US	2003183400
US	5507354						
wo	0053522	AU	36893/00	CA	2366291	EP	1175368
		SE	9900836				•
US	4342270	CA	1151953	FI	810488	SE	8004686
US	4273056	CA	1108016	DE	2919962	FI	791544
}		SE	7805797				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX